

Work Order ID 55245

January 12, 2010 1:33:59 PM



Page 1

Item ID: D4021-3

Accept



Setup Start



Revision ID:

Item Name: Data Plate

Stop



Start Date: 1/12/10 Start Qty: 1.00



Cust Item ID:

Required Date: 1/25/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals:

Process Plan:

PL

Date:

10-1-12

Tooling:

Date:

Run Start



QC:

Date:

SPC (Y/N):

Date:

Stop



Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

Draw Nbr

Revision Nbr

D4021

A-PRELIM

P3

0.00

100



Shear

Memo

0.00

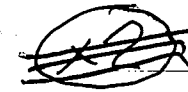
Shear

1-Cut as per dwg D4021

2- break sharp corner as per dwg D4021

3-Deburr as required

①



PL 10/01/12

120

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

=> Siobhils

XL

PRELIMINARY ISSUE

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 55245

January 12, 2010 1:33:59 PM

Page 2

Item ID: D4021-3

Accept

Setup Start

Revision ID:

Stop

Item Name: Data Plate

Start Date: 1/12/10 Start Qty: 1.00

Cust Item ID:

Required Date: 1/25/10 Req'd Qty: 1.00

Customer:

Reference:

Run Start

Approvals:

Process Plan:

Date:

Tooling:

Date:

QC:

Date:

SPC (Y/N):

Date:

Stop

Sequence ID/
Work Center ID

Operation
Description

Set Up/
Run Hours

Draw
Number

Draw
Rev.

Plan
Code

Accept
Qty

Reject
Qty

Reject
Number

Insp.
Stamp

130

Bend as per dwg

0.00



Brake NC

Memo

0.00

Brake NC

140

QC5- Inspect part completeness to step on W/O

0.00



QC

Memo

0.00

Quality Control

150

Identify as per dwg & Stock Location: Basket

0.00



Packaging

Memo

0.00

Packaging

SB 10/01/26

(1)

⇒ 8/10/1/26

(K)

PD

10.01.28.

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Work Order ID 55245

January 12, 2010 1:33:59 PM

Page 3

Item ID: D4021-3

Accept

Setup Start

Revision ID:

Stop

Item Name: Data Plate

Start Date: 1/12/10 Start Qty: 1.00

Cust Item ID:

Required Date: 1/25/10 Req'd Qty: 1.00

Customer:

Reference:

Approvals: Process Plan: _____ Date: _____ Tooling: _____ Date: _____

Run Start

QC: _____ Date: _____ SPC (Y/N): _____ Date: _____

Stop

Sequence ID/
Work Center IDOperation
DescriptionSet Up/
Run HoursDraw
NumberDraw
Rev.Plan
CodeAccept
QtyReject
QtyReject
NumberInsp.
Stamp

160

QC21- Final Inspection - Work Order Release

0.00



QC

Memo

0.00

Quality Control

*16. Prototype
Basket test
10.01.30**MF 10-1-28*

POSITIVE RECALL

EFFECTIVE 10-01-14 AUTH U

RELEASED _____ DATE _____

W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

NOTE: Date & initial all entries

Picklist Print

Page 1

January 12, 2010 1:34:03 PM

Work Order ID: 55245



Parent Item: D4021-3



Parent Item Name: Data Plate

Start Date: 1/12/10



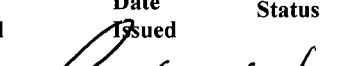
Required Date: 1/25/10

Comments: IPP RevA: new issue DD 09.11.25 verified by:EC
new part DD 09.12.03 verified by:EC

IPP RevB:

Start Qty: 1.00

Required Qty: 1.00

Component Item ID/ Item Name	Replacement Item ID	Mfg/ Purch	Bin Item	Primary Location	Last Location	Route Seq ID	Unit of Measure	Qty on Hand	Remaining Qty To Pick	Qty Issued	Date Issued	Status
M304S20GA		Purchased	No			100	sf	286.5294	0.2046			
												
304/316 .040 Sheet												

Pl 10/01/18

Warehouse
Location

Loc Qty

Loc Code

Main Warehouse

MAT	286.5294053
110076	0.40253684
112567	38.0765789
112885	83.1578
113062	156.3723
113077	8.52018947

✓ ① *qcl*

~~* 1109057~~ ~~② *Pl 10/01/18*~~

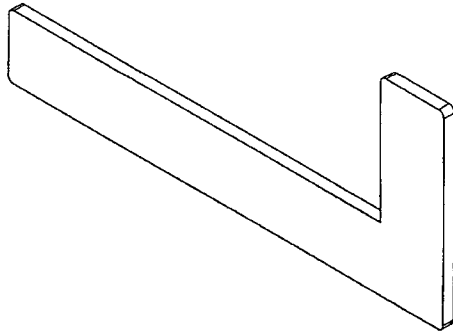
W/O:		WORK ORDER CHANGES					
DATE	STEP	PROCEDURE CHANGE	By	Date	Qty	Approval Chief Eng / Prod Mgr	Approval QC Inspector

Part No: _____ PAR #: _____ Fault Category: _____ NCR: Yes No DQA: _____ Date: _____

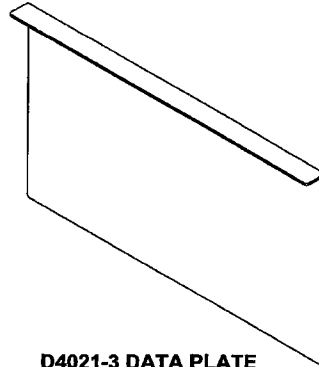
Resolution: _____ Disposition: _____ QA: N/C Closed: _____ Date: _____

NCR:		WORK ORDER NON-CONFORMANCE (NCR)						
DATE	STEP	Description of NC Section A	Corrective Action Section B			Verification Section C	Approval Chief Eng	Approval QC Inspector
			Initial Chief Eng	Action Description Chief Eng	Sign & Date			

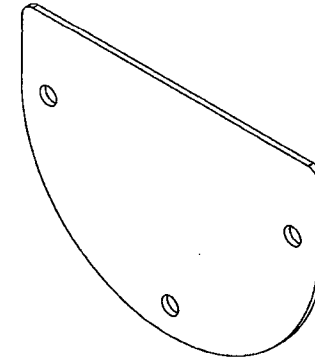
NOTE: Date & initial all entries



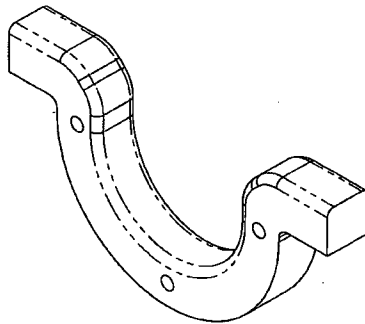
D4021-1 HANDLE PLATE



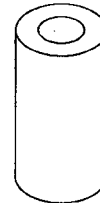
D4021-3 DATA PLATE



D4021-5 BLANKING PLATE



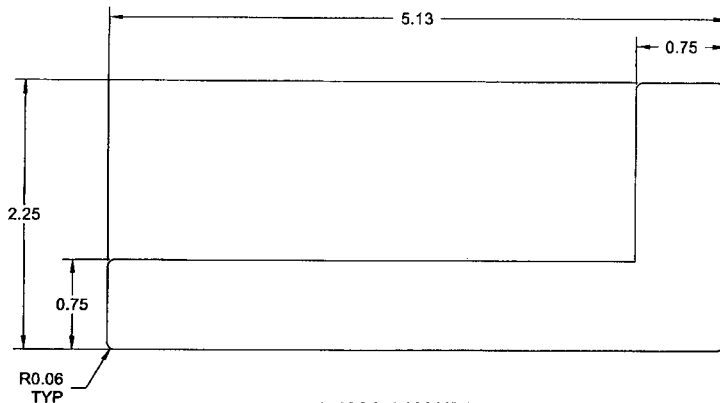
D4021-7 HOOP



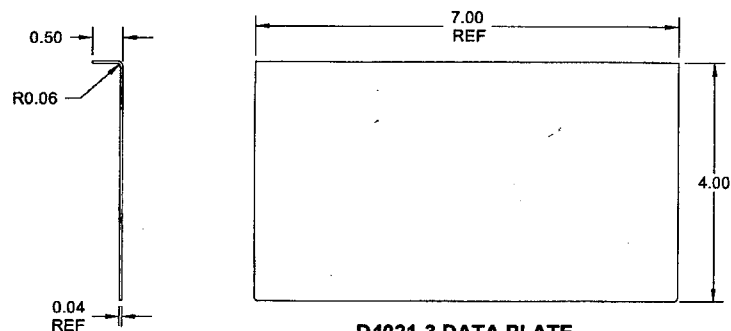
D4021-9 BUSHING

PRELIMINARY ISSUE
ASS 10.01.15

A	PRELIMINARY (3) ADDED -3 DATA PLATE	AJS	09.12.03
A	PRELIMINARY (2) DELETED -3 SHEET 2 ZONE C8, 2.25 DIM WAS 3.00, ZONE D7, 5.13 DIM WAS 5.88. REASON: EASE OF ASSY AT NEXT ASSY.	AJS	09.12.02
A	PRELIMINARY (1)	AJS	09.11.18
REV.	DESCRIPTION	BY	DATE
DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4021	SHEET 1 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MISC MACHINED PARTS 350 BASKET	NTS
DATE	09.12.03	COPYRIGHT © 2009 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSES OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	



D4021-1 HANDLE PLATE

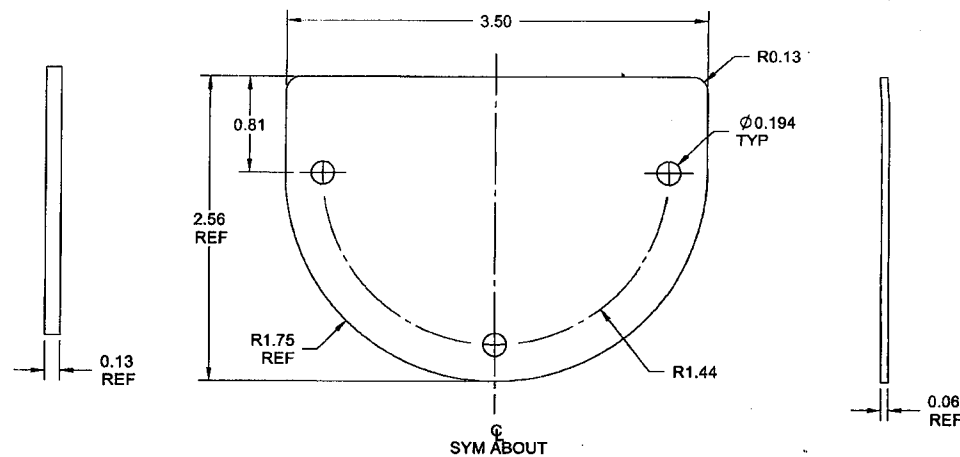


D4021-3 DATA PLATE
MAKE FROM D4021-3F

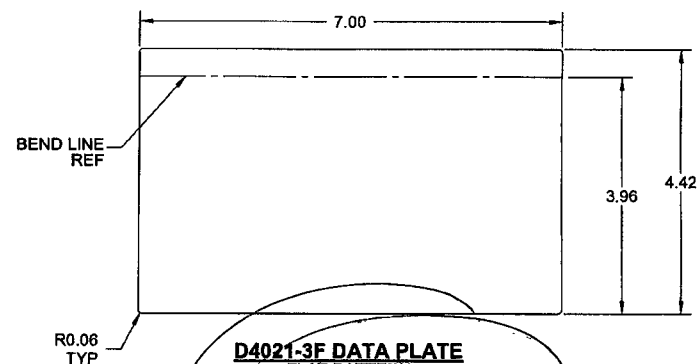
NOTES:

- 1) MATERIAL -1: 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH,
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240
PER DART SPEC M304S11GA
- 3F: 304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH,
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240
PER DART SPEC M304S20GA
- 5: 303/304/316 STAINLESS STEEL SHEET ANNEALED 2B FINISH,
PER MIL-S-5059 OR AMS 5513/5524 OR ASTM A240 OR ASME 5A240
PER DART SPEC M303S16GA OR M304S16GA

- 2) FINISH -3 ONLY: POWDER COAT WHITE (4.3.5.2) PER DART QSI 005 4.3
- 3) TOLERANCES: PER DART QSI 018 UNLESS OTHERWISE NOTED
- 4) UNITS: INCHES UNLESS OTHERWISE NOTED
- 5) BREAK SHARP EDGES: 0.005 TO 0.010 MAX
- 6) IDENTIFICATION: N/A
- 7) WEIGHT -1: 0.18 lbs
-3: 0.35 lbs
-5: 0.14 lbs



D4021-5 BLANKING PLATE



D4021-3F DATA PLATE
FLAT PATTERN

PRELIMINARY ISSUE
ASS 10.01.15

DESIGN	AJS	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWN	AJS		
CHECKED		DRAWING NO.	REV. A
MFG. APPR.		D4021	SHEET 2 OF 3
APPROVED		TITLE	SCALE
DE APPR.		MISC MACHINED PARTS 350 BASKET	NTS
DATE	09.12.03	COPYRIGHT © 2008 BY DART AEROSPACE LTD THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.	

Purchase Order Receipt Listing

Page 1 of 1

November 4, 2009 1:56:23 PM

All amounts are calculated in domestic currency.

All Vendors PO ID po10682 All Receipt Dates All Line Item Types

All Item ID/GL/WOs All Rec. Employees All Currencies

Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Reev Date/ Reev Emp	Reev Qty (PO U/M)	Cost Per Unit/ Reev Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-MAG002	Magna Stainless								
PO10682	1		M304S12GA	sf	11/04/09	11/04/09	32.0000	\$9.19	0.0000	0	\$294.00
CAD	No		304/316 0.100" Sheet	sf	160.0000	Stores		\$294.00	0.0000	0	
			113077								
					11/04/09	11/04/09	128.0000	\$9.19	0.0000	0	\$1,176.00
					160.0000	LAVO01		\$1,176.00	0.0000	0	
	2		M304S18GA	sf	11/04/09	11/04/09	128.0000	\$4.22	0.0000	0	\$540.01
	No		304/316 .050 Sheet	sf	128.0000	LAVO01		\$540.01	0.0000	0	
			113062								
	3		M304S20GA	sf	11/04/09	11/04/09	64.0000	\$3.91	0.0000	0	\$250.00
	No		304/316 .040 Sheet	sf	256.0000	Stores		\$250.00	0.0000	0	
			113077								
					11/04/09	11/04/09	192.0000	\$3.91	0.0000	0	\$749.99
					256.0000	LAVO01		\$749.99	0.0000	0	
Total Received Quantity:										544.0000	
Total Qty to Inspect (PO U/M):										0.0000	
Total Reject Quantity:										0.0000	
Total Receipt Value:										\$3,009.99	
Total Balance Due Quantity:										0.0000	

Receiving Report

Date: 9/11/03

Batch No: M113062

Supplier: msana

Dart P/O: 10682

Packing Slip: Yes ☒ No ☐
 Invoice: Yes ☐ No ☒
 Receipt: Cash ☐ Cr ☒

Release Note Attached: Yes ☒ No ☐ N/A ☐
 Waybill Attached: Yes ☐ No ☒
 Shipment Complete: Yes ☒ No ☐ N/A ☐
 QC6 Inspection ☒ N/A ☐
 Work Order 021104 N/A ☒

Discrepancies

Part Number	Description	Quantity Ordered	Quantity Received	Quantity Returned	Quantity Short	Comments
M 3045	126A	160	128	0	32	
M 3045	206A	256	192	0	64	
M 2025	35040	192	0	0	192	

Initials of receiver (if shipment OK) Level 12

ck

Production/Admin:

Date 09/11/04

Location _____

Received/Costing

Initial CL



Magna Stainless

5775 Kieran St, Saint-Laurent, Quebec H4S 0A3
Phone: (514) 339-1211 Watts: 1-800-363-6646 Fax: (514) 339-1105

PACKING LIST

I018905

Page: 1 of 1

SO: D TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

SHIP TO:
DART AEROSPACE LTD
1270 ABERDEEN STREET

HAWKESBURY , ON
K6A 1K7
Contact: CHANTAL

HAWKESBURY , ON
K6A 1K7
Ship Terms: PREPAID

SPECIAL INSTRUCTIONS

OK TO SHIP TOMMOR BY JOSE

MAGNA
QC2

MTR: Y

Currency		Sales Person	Customer Phone	Customer Fax	Customer PO	
CANADIAN DOLLARS		ERYCK BLAIS	(613) 632-5200	(613) 632-1053	PO10682	
Sales Order	Terms		Ship Via	Date Ordered	Date Required	Date Shipped
W020779	NET 30 DAYS		NIR:R-557065-1	11/02/09	11/03/09	11/03/09

Ordered	Back Ordered	Unit	Description	Bundle #	Heat #	Shipped
6		PC	STAINLESS SHEET 31 SSH 304 2B 20ga x 48" x 96"			6
4		PC	SSH 304 2B 18ga x 48" x 96"	L029413	SC18740	6
4 ✓		PC	MUST USE HT 0418904 SSH 304 2B 12ga x 48" x 96"	L030411	0418904	4
			588 LB / 4 PC	L031428	829673	4
			MUST USE HT 82963			
Skids: 1				Approx	Weight:	1,159 LB

Pcs/11/03

Received by: _____ Date: _____ Signature: _____

MO 18855

POSCO Mill Test Certificate/검사증명서

Certificate No./증명서번호:081027-PRSE-018-001
 Date of Issue/발행일자:Oct, 30, 2008
 Surface Finish/표면마무리:NO.2B

Order No./계약번호:0003445692

PO No./주문번호:3445692

Supplier/주문자:DAE WOO INTERNATIONAL CORP.

Commodity/품명:STAINLESS COLD ROLLED COIL

Customer/고객사:MAGNA STAINLESS INC.

Spec & Type/규격:ASTM-A240-304

Size/치수	Product No. 제품번호	Quantity 수량	Weight 중량 (kg)	Heat No. 재강번호	Position	Tensile/인장시험 YS 0.2% TS EL (MPa) (%)	Hard- ness /경도 HRB	Division	Chemical Composition/화학성분(%) C Si Mn P S Cr Ni Cu Mo N
0.90x1524xC	QBK0069A	1	4,995	SC19177	T	262 648 59 82.6		L	562 420 1050 280 33 1815 804 320 11 403
0.90x1524xC	QBK0069B	1	4,995	SC19177	B	259 654 61 81.3		L	562 420 1050 280 33 1815 804 320 11 403
*** Sub Total (010) ***			2			9,990 (kg)			
0.90x1219xC	QGJ0258BA	1	5,980	SC18740	T	273 640 58 85.3		L	505 360 1050 280 31 1835 817 370 13 442
0.90x1219xC	QGJ0258BB	1	5,980	SC18740	B	281 648 54 86.6		L	505 360 1050 280 31 1835 817 370 13 442
0.90x1219xC	QGH0799C	1	4,896	SE37926	T	273 640 58 85.3		L	639 352 1065 283 55 1816 804 442 23 381
*** Sub Total (020) ***			3			15,816 (kg)			
1.50x1524xC	QBK0171A	1	6,341	SC19146	T	273 637 57 83.1		L	587 410 1130 310 31 1819 803 350 10 348
1.50x1524xC	QBK0171C	1	6,810	SC19146	B	273 637 57 83.1		L	587 410 1130 310 31 1819 803 350 10 348
*** Sub Total (030) ***			2			13,151 (kg)			
1.50x1219xC	QJ1008A	1	5,952	SC19200	T	281 636 56 83.8		L	558 410 1040 320 38 1811 806 330 11 372
					B	285 644 55 85.2			

* Position - T : Top, M : Middle, B : Bottom

* Tensile Test. Direction : Transversal. Gauge Length : 50mm(Rectangular),
YP Method : 0.2% off-set

* Division - L:Ladle Analysis

* Chemical Composition Unit: -2.x1/100, -3.x1/1000, -4.x1/10000, -5.x1/100000

* Tr : It is within the standard range(<0.008%) and include trace element.

We hereby certify that the material herein has been made in accordance with the order and specification.

ORIGINAL

Test Certificate is issued according to EN10204 3.1B.

* This Mill Test Certificate cannot be copied for any purpose.

Surveyor To:

POSCO Pohang Works, 5 Dongchon-dong, Nam-gu, Pohang-si, Gyeongsangbuk-do, 790-785, Korea

W.G. Jo
Chief of material testing section Jo, Won Gook

MILL TEST REPORT

TA CHEN INTERNATIONAL CORPORATION
www.tachen.com

This MTR contains 1 page (Page: 1)

MTR#: TXCL1728 Customer#: MAGDOR PO#: P006322 SO#: PE5923
Item#: 18GA4893042B Bundle#: H295150900 Heat#: 0418904

P006322_0418904

A company
of ThyssenKrupp
Stainless

ThyssenKrupp Mexinox



TEST REPORT (CERTIFICADO)

CUSTOMER (CLIENTE)

MEXINOX USA

MILL ORDER No.

4546 - 9

PACKAGE (EMPAQUE)

No. H2951509 DO

CUSTOMER PURCHASE ORDER

DATE (FECHA)

No. L26123

JUN-11-09

CODE PART NUMBER

REPORT (CERTIFICADO)

No. EJ3902

PRODUCT IDENTIFICATION
IDENTIFICACION DEL PRODUCTO

ITEM No.	COIL No. No. DE ROLLO	PIECES PIEZAS	HEAT COLADA No.	TYPE AND FINISH TIPO Y ACABADO	DIMENSIONS DIMENSIONES	In mm	GROSS WT. PESO BRUTO	lb kg	NET WT. PESO NETO	lb kg
1	593395 AGAA	45	0418904	304 / 7B UNS S30400	48.00 X 98.00 X 0219.20 X 2438.40	X X X	0.480	3,034 1,376	2,862 1,298	

CHEMICAL COMPOSITION

COMPOSICION QUIMICA (%)

OTHER ELEMENTS (OTROS ELEMENTOS)

ITEM	C	Cr	Mn	N	Ni	P	S	Si								
1	.0460	18.0400	1.3000	.0450	8.0600	.0280	.0010	.3700								

MECHANICAL PROPERTIES

PROPIEDADES MECANICAS

ITEM No.	TEST No. No. MUESTRA	D	TENSILE S. R. TENSION	YIELD S. R. FLUENCIA	ELONGATION ALARGAMIENTO	%	HARDNESS DUREZA HRB
1	A755778 A755778	L	82678 psi 639 MPa	44961 psi 310 MPa	61.2		(HEAD) 83.0 / 83.0

THIS MATERIAL IS DUNS 225.872-1 CLASS COMPLIANT. HEAT SOURCE: ITASA

THIS MATERIAL COMPLIES WITH CHEMICAL COMPOSITION ACCORDING TO ASTM A 240/A 240M-98 STD. NOM. AND IT COMPLIES ALSO WITH THE MECHANICAL AND CHEMICAL PROPERTIES ESTABLISHED IN THE FOLLOWING STDS.:
AISI 321-95, QQ-S-766-D, MIL-S-5055-D, AMS 55130.

"THIS MATERIAL IS FREE OF MERCURY CONTAMINATION"



We hereby certify that in recognition of the terms and conditions set forth in the 2002S Directive -2002/95/EC, we can insure that all of our products and processes fully comply with it.

HECHO EN MEXICO / MADE IN MEXICO

ELABORATED BY
Jose Luis Vazquez Mata

PRINTED: 13-09-16 JUL-10-08

FORMATO No. 38 - 027 - 02 Rev 2

file://C:/TEMP/carolyn_billMTR.htm

8/12/2009

POU 6691-08129N135

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. & DATE 1514			CUST. CODE 06/26/09 436746			MIDLAND, PA			SHIPPER NO. 428795			PRODUCT CODE 13020102060000			MILL ORDER NUMBER 30-069-735			DATE SHIPPED 08/27/09		
FORMS DISTRIBUTION SOLD TO 1 BOP TO SPEC			REPEAT ORDER 91994-0			CO. RATE 28			GOVT CONTRACT			MATERIAL 1121 MIDLAND			SHIPPING LOCATION PA			INVOICE 230821		
SOLD TO			PRIME SEC.			DSO			SHIP TO											
			DSO			513														

Sold to

GRADE AND SPECIFICATIONS
ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (CR REV 2) (AMS 5513H)
(ASME-SA-480 EDITION 2007) (ASTM-A-480-09) (ASTM-A-262-02A PRACTICE E) (QQ-S-766D) (ASME-SA-240-07)
(MRO175/ISO 15156-3 DATED 12/15/03) (ASME-SA-240-07) (ASTM-A-240-09A) (03/13/08 EXCEPTIONS TO CR)
(ASTM-A-666-03)

ITEM	PCS	DIMENSIONS W/G/L	HEAT #	LIFT #	TEST #	GROSS	TARE	NET	THEO	TAG #/	CD	SKID #
001	1	48./.105/1287.	- 829673	08129N135	M288774	21940		21940		177852		
	1	48./.105/1278.	829673	08129N136	M288775	21890		21890		177853		
C CUST IDENTITY 304B105X48												
2 COILS												
						43830		43830				

DIST: ALL ORDERS MUST BE SET UP TO HAVE LINEAR FOOTAGE AND THEORETICAL WEIGHT SHOWN ON THE CERTS.

TYPE HEAT/TEST	--C---	--MN--	--P---	--S---	--SI--	--CR--	--NI--	--MO--	--CU--	--N---
HEAT 829673	.02	1.74	.032	.0003	.37	18.30	8.15	.28	.43	.07

ITEM TEST NO	YIELD PSI *	TENSILE PSI	% ELONG IN 2"	% R/A	HARDNESS	BEND	A 262	PR E	CORROSION	GRAIN SIZE	HARDENABILITY
001 M288774					NR	88.HRBW	T PASS	PASS	NR	NR	
M288775	T 48500.	92000.	54.		NR	87.HRBW	T PASS	PASS	NR	NR	
	T 48100.	91500.	55.		NR	88.HRBW	T PASS	PASS	NR	NR	
* Y.S. BY 0.2% OFFSET METHOD											

NR = DATA NOT REQUIRED
GRADE VERIFICATION WAS CARRIED OUT SPECTROSCOPICALLY

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CONSIGNEES - Please Note - This consignment was turned over to carrier in first class condition, being correctly loaded, at which time our responsibility for loss or damage in shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent on waybill before signing.

Material Safety Data Sheets for this product have been supplied by your Purchasing Department. For an additional copy phone 724-226-6577. CAUTION: Processing that involves fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

WARNING
Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-6577. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specifications as set forth in Allegheny Ludlum's Order Acknowledgement.

Tracy McFarland
Director, Corporate Quality Assurance

**NOTICE OF SHIPMENT/
PACKING LIST**



CERTIFICATE OF TEST

AL 6168-3 908

CUST. ORD. NO. & DATE		CUST. CODE		ACCEPTING MILL		SHIPPER NO.		PRODUCT CODE		MILL ORDER NUMBER		DATE SHIPPED	
1514		06/26/09		436746		MIDLAND, PA		428795		13020102060000		30-069-735	
FORMS DISTRIBUTION		REPEAT ORDER		DO RATE		GOVT CONTRACT		MATERIAL		SHIPPING LOCATION		INVOICE	
SOLD TO		91994-0		28				1121 MIDLAND		PA		230821	
SHIP TO		PRIME SEC.		DSO DSO		SHIP TO							
SPEC		513											

GRADE AND SPECIFICATIONS

CARRIER - CLAY TRANSPORT, INC.

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (CR REV 2) (AMS 5513H) (ASME-SA-480 EDITION 2007) (ASTM-A-480-09) (ASTM-A-262-02A PRACTICE E) (QQ-S-766D) (ASME-SA-240-07) (MR0175/ISO 15156-3 DATED 12/15/03) (ASME-SA-240-07) (ASTM-A-240-09A) (03/13/08 EXCEPTIONS TO CR) (ASTM-A-666-03)

ALLEGHENY LUDLUM DOES NOT USE MERCURY IN THE TESTING OR PRODUCTION OF ITS PRODUCTS. TO THE BEST OF ALLEGHENY LUDLUMS KNOWLEDGE, UNDERSTANDING, AND BELIEF, THIS MATERIAL WAS NOT CONTAMINATED BY MERCURY WHILE IT WAS BEING PRODUCED IN OUR FACILITIES.

NO WELDS/WELD REPAIRS PERFORMED.

AUSTENITIC STAINLESS STEELS ARE SOLUTION ANNEALED AT 1900 DEGREES FAHRENHEIT (1038 C) MINIMUM AND RAPIDLY COOLED TO DEVELOP THE SPECIFIED PROPERTIES. EVIDENCE OF CONFORMANCE IS PROVIDED BY THE ABILITY OF THE MATERIAL TO MEET THESE SPECIFIED MECHANICAL REQUIREMENTS

THIS CERTIFICATE OF TEST SHALL NOT BE REPRODUCED EXCEPT IN FULL WITHOUT THE WRITTEN APPROVAL OF THE COMPANY. THE RECORDING OF FALSE, FICTITIOUS OR FRAUDULENT STATEMENTS OR ENTRIES ON THE CERTIFICATE MAY BE PUNISHED AS A FELONY UNDER FEDERAL LAW. MATERIAL WAS MANUFACTURED IN ACCORDANCE WITH THE ALC QUALITY MANUAL REVISION 17 DATED 05/12/2008. ALC HOLDS SEVERAL QUALITY CERTIFICATIONS THAT INCLUDE ISO-9001. DIN EN 10204:2005 - 3.1. ALLEGHENY LUDLUM IS APPROVED AS A MANUFACTURER ACCORDING TO AD-MERK BLATT WO/TRD100 AND THE PRESSURE EQUIPMENT DIRECTIVE PED 97/23/EC. TESTING WAS PERFORMED AT ALC NADCAP AND ISO/IEC 17025 APPROVED LABORATORIES LOCATED AT NATRONA HEIGHTS, BRACKENRIDGE, LATROBE, AND MIDLAND, PA FACILITIES OR A NADCAP AND ISO/IEC 17025 ACCREDITED LABORATORY.

PAGE 02 - CONTINUED ON PAGE 03

08/27/09 09:53:27

CONSIGNEE - Please Note: This consignment was turned over to carrier in best case condition, being correctly loaded, at which time our responsibility for loss or damage is shipment ceased. For your protection please examine shipment as it arrives. If any shortage or damage is discovered, have a full description made by transportation agent in writing before signing.

WARNING
Material Safety Data Sheets for this product have been supplied to your Purchasing Department. For an additional copy phone 724-228-5577. CAUTION: Processing that involves fumes, dust, or solutions may cause lung disease. See Material Safety Data Sheets for further information.

Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-228-5577. Attention: les traitements entraînant la production de vapeurs, poussières, ou solutions peuvent, dans certains cas, causer des maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Alleggheny Ludlum's Letter Acknowledgement.

Tracy McFarland
Director, Corporate Quality Assurance

NOTICE OF SHIPMENT/
PACKING LIST



CERTIFICATE OF TEST

AL 6182-3 908

CUST. ORD. NO. & DATE 1514 06/26/09		CUST. CODE 436746	ACCEPTING MILL MIDLAND PA	SHIPPER NO. 428795	PRODUCT CODE 13020102060000	MILL ORDER NUMBER 30-069-735	DATE SHIPPED 08/27/09
FORMS DISTRIBUTION SOLD TO 1 SHIP TO SPEC		REPEAT ORDER 91994-0	DO RATE 28	GOVT CONTRACT	MATL 1121 MIDLAND	SHIPPING LOCATION PA	INVOICE 230821
SOLD TO		PRIME SEC. DSO DSO 513			SHIP TO		

GRADE AND SPECIFICATIONS

ALLEGHENY STAINLESS STEEL TYPE 304 SHEET C R COILS ANNEALED 2B FIN 3 EDGE (CR REV 2) (AMS 5513H)
(ASME-SA-480 EDITION 2007) (ASTM-A-480-09) (ASTM-A-262-02A PRACTICE E) (QQ-S-766D) (ASME-SA-240-07)
(MR0175/ISO 15156-3 DATED 12/15/03) (ASME-SA-240-07) (ASTM-A-240-09A) (03/13/08 EXCEPTIONS TO CR)
(ASTM-A-666-03)

CARRIER - CLAY TRANSPORT, INC.

ALLEGHENY LUDLUM PERFORMS CHEMICAL ANALYSIS BY THE FOLLOWING TECHNIQUES:

C, S BY COMBUSTION/INFRARED
N, O, H BY INERT FUSION/THERMAL CONDUCTIVITY
MN, P, SI, CR, NI, MO, CU, CB, CO, V BY WDXRF
B BY OES
AL AND TI (>=0.10%) BY WDXRF, OTHERWISE BY OES
PB, BI, AG BY GFAA

<<<<<<< FOR ACCESS TO ONLINE CERTIFICATES OF TEST >>>>>>>
<<<<<<< REGISTER AT WWW.ALCEXTRA.COM >>>>>>>

PAGE 03 - FINAL PAGE.

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WARNING: Les fiches d'information-sécurité de ce produit ont été fournies à votre département chargé des achats. Pour obtenir des exemplaires supplémentaires veuillez téléphoner au numéro suivant 724-226-6577. Attention: les procédés entraînant la production de vapeurs, poussières, ou solutions peuvent être cause de maladies pulmonaires. Pour plus de renseignements se référer aux fiches d'information-sécurité.

The above is a true copy of data on file. The material and test results conform to the sales contract and specification(s) as set forth in Allegheny Ludlum's Order Acknowledgement.
Tracy McFarland
Director, Corporate Quality Assurance



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID PO10682

Purchase Order Date 11/02/09

PO Print Date 11/02/09

Page Number 1 of 2

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

FAKED
08/11/09

Contact Name

Vendor Phone 800 363 6646

Vendor Fax 514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

10127-2607

Tax Resale Nbr

Net 30

Terms

Currency

CAD

FOB

Ship To :

DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Line Nbr	Reference Revision ID Vendor Part Number	Description/ Mfg ID	Req Date/ Taxable	Req Qty/ Unit of Measure	Ship Method	Unit Price	Extended Price
1	M304S12GA	304/316 0.100" Sheet	11/04/09 Yes	160.00 sf	Yours ppd Nec 128	\$9.1875	\$1,470.00
		Special Inst:	MATERIAL: AISI 304/316 SS SHEET ANNEALED 2B FINNISH AS PER MIL-S- 5059 OR AMS 5513/AMS5524 OR ASTM A240/ASME SA240				
2	M304S18GA	304/316 .050 Sheet	11/04/09 Yes	128.00 sf	Yours ppd	\$4.2188	\$540.01
		Special Inst:	AS ABOVE				
3	M304S20GA	304/316 .040 Sheet	11/04/09 Yes	256.00 sf	Yours ppd Nec 192 / 109/11/3	\$3.9062	\$999.99
		Special Inst:	AS ABOVE				
4	M2024T3S.040	2024-T3 .040 sheet	11/06/09 Yes	192.00 sf	Yours ppd	\$4.8958	\$939.99

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable

Change Nbr: 1

Change Date: 11/02/09



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO10682**

Purchase Order Date 11/02/09

PO Print Date 11/02/09

Page Number 2 of 2

Order From :

VC-MAG002

MAGNA STAINLESS
5775 RUE KIERAN
ST LAURENT, QC H4S 0A3
CA

Contact Name

Vendor Phone

800 363 6646

Vendor Fax

514 339 1105

Vendor Account Nbr

Buyer

Chantal Lavoie

Requisition Nbr

Tax Resale Nbr

10127-2607

Terms

Net 30

Currency

CAD

FOB

Special Inst: MATERIAL: 2024-T3 ALUMINUM SHEET
PER QQ-A-250/4 OR AMS-QQ-A-250/4
OR AMS 4037 /ASTM B209

PO Total:

\$3,949.99

**MATERIAL CERTIFICATION
REQ'D UPON DELIVERY**

Change Nbr: 1

Change Date: 11/02/09

No substitution or deviation without
consent.
Certificate of Conformity or Material
Certification required when applicable